

EVALUATION ASSIGNMENT - 4

CS 5760 –HUMAN COMPUTER INTERACTIONS AND USABILITY

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TEAM 3: E2BIG

PRE INTERVIEW QUESTIONS:

- I am comfortable using a smartphone.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- I am interested in taking up the usability testing for the ACL Risk Estimator Application.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- I know how to record videos on a smartphone.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- I am aware of what an ACL (Anterior Cruciate Ligament) injury is.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

TEST SCENARIOS:

TEST SCENARIO 1:

Test Scenario Name

Register and login as a coach

Test Goals for the scenario

The main goal of this test scenario is to register and then login as a coach into the application. This would verify if all the login functionalities work correctly.

Quantitative measurement list

- Time taken by the user to create an account, and then login.
- Number of times the user consults or the number of doubts he has regarding the registration form or login page.

Scenario description

- Assume that you are the coach of a sports team at a local high school and you want to estimate the risk of an ACL injury for one or more of your athletes by using the ACL Risk Estimator Application. To use the application, you need to register yourself first and then login with your username and password.

Task list

1. Open the ACL Risk Estimator application on a smartphone.
2. Tap on “Create a new account”.
3. Fill in all the details in the form and tap “Register”.
4. Now login using the username and password which were registered.

Qualitative measurement list

- Does the user make any comments while creating an account or login?
- Was there any lag in the application?

Potential observations of participant

- The level of difficulty that the user faced while creating an account.
- Did the user try to login before creating a new account?

Bug Report Form

BUG NUMBER	BUG NAME	BUG UNIQUENESS	BUG LOCATION	BUG DESCRIPTION

Post Scenario interview or questionnaire questions

1. Did the user face any difficulty in creating an account or logging in?
2. Does the user have any comments about the interface?

Test setup details

This test will be conducted in a well-lit room. A timer would be used to determine the total time taken by the user to complete the scenario.

TEST SCENARIO 2:

Test Scenario Name

Recording and uploading a video

Test Goals for the scenario

The main goal of this scenario is to make the user record and upload a video, after logging. This would verify if all the functionalities for uploading the video work correctly and the user feels comfortable uploading the video.

Quantitative measurement list

1. Time taken by the user to record a good video.
2. Time taken by the user to upload the video using the application.
3. Number of times the participant asked doubts about the application.

Scenario description

Assume that you are a basketball coach at a community college and you want to estimate the level of risk of an ACL injury for one of your players. You have already created an account, and now want to upload a recorded video to be analyzed by a medical professional.

Task list

1. After logging in, enter the homepage of the application.
2. If there are any doubts regarding how to make the video, the button for “How to Make a Video” can be tapped and proper instructions would be given.
3. A “Website info” button is also there, in case any additional information is needed.
4. When ready, upload the video by tapping the “Upload” button on the top right corner.
5. A video file should be chosen and an athlete’s name should be entered.
6. After selecting and entering the name, the “Upload” button should be tapped.

Qualitative measurement list

- Was there any lag during the entire scenario?
- Did all the buttons function properly?
- Was the video selected and uploaded successfully?

Potential observations of participant

- User’s expressions while going through the instructions.
- Did they ask for any clarification in between the scenario?

Bug Report Form

BUG NUMBER	BUG NAME	BUG UNIQUENESS	BUG LOCATION	BUG DESCRIPTION

Post Scenario interview or questionnaire questions

- How confident were the users in using the application, before and after this scenario?
- Did the user have any comments about the interface of the application?

Test setup details

This test is to be conducted in a well-lit room, where a proper video can be recorded. A timer would be used to determine the quantitative measures. Apart from that, a small platform or a chair would also be used to perform the vertical drop test.

TEST SCENARIO 3:

Test Scenario Name

Analyzing the video

Test Goals for the scenario

The main goal of this scenario is to analyze the videos that have been uploaded and then provide a feedback to the coach about the risk of ACL injury.

Quantitative measurement list

1. Time taken by the user to browse and open the uploaded video
2. Time taken by the user to rate the risk and provide feedback.
3. Number of times the participant asked doubts.

Scenario description

Assume that you are a medical professional at the UP Health Center and your job is to analyze and provide a feedback regarding the the risk of an ACL injury for an athlete's vertical drop test.

Task list

1. After logging in with the credentials of a medical professional, enter the homepage of the application.
2. Browse the videos and select the one that has to be rated.
3. Play the video, and mark the radio buttons according to your analysis of the video.
4. Put additional comments and suggest preventive measures accordingly

Qualitative measurement list

- Was there any lag during the entire scenario?
- Did all the buttons function properly?
- Was the video selected played properly?
- Was the user able to enter text into the comment box without any constraints?

Potential observations of participant

- User's expressions while going through the instructions.
- Did they ask for any clarification in between the scenario?

Bug Report Form

BUG NUMBER	BUG NAME	BUG UNIQUENESS	BUG LOCATION	BUG DESCRIPTION

Post Scenario interview or questionnaire questions

- How confident were the users in using the application, before and after this scenario?
- Did the user have any comments about the interface of this scenario?

Test setup details

This test is to be conducted in a well-lit room. A timer would be used to determine the quantitative measures.

POST INTERVIEW QUESTIONS:

- The instructions were clear and unambiguous.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- I am satisfied with the overall experience with the ACL Risk Estimator Application.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- I would recommend using this application to the coaches of sports teams.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- The interface of this application is perfect for its utility.
 - Strongly Agree
 - Agree
 - Neutral
 - Disagree
 - Strongly Disagree

- Rate the simplicity and ease of use of the application on a scale of 1-5, where 1 is extremely easy and 5 is extremely difficult.
 - 5
 - 4
 - 3
 - 2
 - 1

Open Ended Questions (If users wish to answer)

1. What did you like the most about this application?
2. What did you not like about this application?
3. Suggest some ways in which the application could be improved.